



## DATA SHEET

# 3Com® Switch 4005

## Key Benefits

## Modular Fast Ethernet with Feature-rich Layer 3 Switching

### Flexibility

The modular 14-slot chassis provides a flexible edge solution for enterprises of all sizes and the core of smaller networks. Up to 96 ports of copper and fiber Fast Ethernet can be installed for desktop connectivity, while 1- and 2-port Gigabit modules can be used for aggregation.

### High Availability and Fault Tolerance

Modular architecture provides flexibility and future-proofing to keep up with the demands of a growing network. Redundant components—power supplies, fan trays, and switch fabric—help ensure the network is always available.

### Layer 3 Switching Performance

Scalable, high-performance, line-rate switching for applications requiring Layer 3. Protocols supported in the 3Com® Switch 4005 include OSPF, RIP (V1 and V2) and Multicast Routing (DVMRP).

The modularity of the 3Com Switch 4005 makes this product an ideal product for Fast Ethernet aggregation of desktop PC's.

The 10/100 operation of its Fast Ethernet-over-copper modules enables a phased approach to upgrading the network, while with the support of 100Base-FX meets the requirements for fiber to the desktop. Gigabit Ethernet can then be

### Advanced Security capabilities

Implement security policies on your network using IP Access Lists. These policies are implemented in hardware, thus not affecting switching performance or throughput.

### Ease of Use

The 3Com Switch 4005 can automatically detect and select the optimum port speed, duplex mode, and cable connection (MDI/MDIX). The switch also incorporates built-in enhanced web management and configuration to ease switch monitoring and setup.

The 3Com Switch 4005 is supported by 3Com® Network Supervisor with network discovery, topology mapping, monitoring and alerting for easy network administration.

used for connectivity back to the core of the network.

The high-performance, feature rich Layer 3 switching, together with multimedia support and advanced switching features, also makes this an excellent aggregator for the core of the network.

## Specifications

### Dimensions

Height: 22.23 cm (8.75 in)  
Width: 43.94 cm (17.3 in)  
Depth: 43.68 cm (17.2 in)  
Weight: 22.68 kg (50 lb)

### Performance

24 Gbps total bandwidth  
18 Mpps forwarding performance  
RIP v1 and RIP v2  
OSPF  
UDP/DHCP Helper  
DVMRP Multicast Routing  
Access Control Lists  
256 VLANs  
Link Aggregation (802.3ad trunking)  
Fast Spanning Tree Protocol  
802.1p and 802.1Q  
802.3x flow control

### Power

300 W AC Power Supply  
Input voltage: 90-264 VAC, autoranging  
Operating frequency: 47-63 Hz  
Maximum input current: 6 A at 100 VAC; 3.1 A at 200 VAC

### Maximum Power Consumption

455 W (1,553 Btu/hour)

### Environmental Ranges

Operating temperature:  
0° to 50°C (32° to 122°F)  
Operating humidity:  
10% to 90% noncondensing  
Storage temperature:  
-40° to 70°C (-40° to 158°F)  
Storage humidity:  
10% to 90% noncondensing

### SNMP Standards

SNMP Protocol (RFC 1157)  
MIB-II (RFC1213)  
Bridge MIB (RFC 1493)  
RMON MIB II (RFC 2021)  
Remote Monitoring MIB (RFC 1557)  
MAU MIB (RFC 2239)

### Electromagnetic Compatibility

The Switch 4005 is certified with the following standards:

CE Mark  
Australian Declaration of Conformity for tick-mark

### Emissions

FCC, Part 15 Subpart B, Class A  
Canada, ICES003, Class A  
VCCI Class A  
EN 55022/CISPR 22, Class A  
AS/NZS 3548, Class A  
CNS 13438, Class A  
Korea No. 34, Class A

### Safety

CSA/NRTL (UL1950, CSA 22.2.950, 3rd Edition)  
TUV/GS (EN 60950, 3rd Edition, including Amendments and Annexes ZB, ZC; with GS Mark (Bauart Mark for power supplies)  
CB Report/Certificate to IEC 60950, including all national deviations

### Management

3Com Network Supervisor (trial copy provided on accompanying CD)  
Backup and Restore  
Web Management  
Command line interface  
SNMP  
Four RMON groups

### Warranty

One year hardware warranty; ninety (90) days software warranty. Refer to 3com.com/warranty for details.

## Ordering Information

<b>3Com Switch 4005 40-Port Copper Fast Ethernet Starter Kit (RJ-45 connectors)</b>		3C16830
<b>Switch 4005 32-Port Copper and Fiber Fast Ethernet Starter Kit (RJ-45, MT-RJ)</b>		3C16831
<b>Switch 4005 10-Port Copper Gigabit Ethernet Starter Kit (RJ-45)</b>		3C16832
<b>Switch 4005 10-Port Fiber Gigabit Ethernet Starter Kit (MT-RJ)</b>		3C16833
<b>Software</b>		
Switch 4005 v2.0 Advanced Software <i>For units running earlier versions to upgrade to version 2.0 features</i>		3C16844
<b>Modules</b>		
Switch 4005 8-port 10/100BASE-TX Module (RJ-45)		3C16828
Switch 4005 8-port 100BASE-FX Module (MT-RJ)		3C16829
Switch 4005 1-Port 1000BASE-SX Module (SC connector)		3C16825
Switch 4005 1-Port 1000BASE-T Module (RJ-45)		3C16827

<b>Modules, continued</b>	
Switch 4005 1-Port GBIC Module** (GBIC)	3C16826
Switch 4005 2-Port 1000BASE-T Module (RJ-45)	3C16841
Switch 4005 2-Port 1000BASE-SX Module (MT-RJ)	3C16842
Switch 4005 2-Port GBIC Module** (GBIC)	3C16843
<b>Spare Components</b>	
Switch 4005 Chassis/Power Supply/Fan/Fabric/Management	3C16820
Switch 4005 300-Watt Power Supply	3C16822
Switch 4005 Fan Assembly	3C16823
Switch 4005 Fabric/Management Module	3C16824
<b>Spare GBICs</b>	
1000BASE-SX GBIC	3CGBIC91
1000BASE-LX GBIC	3CGBIC92
1000BASE-LH70 GBIC	3CGBIC97

\*\*GBIC ordered separately.



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